

U.S. Marine Transportation System



Discussion with PIANC— April, 2002

Discussion Outline

- Understanding Waterway Capacity
- Origins of MTS -- National Importance
- Background on MTS Initiative
- Achievements to Date
 - Coordination Structure
 - ICMTS subcommittee activities
 - Status of Current Efforts and Next Steps
- Specific MTS Capacity Efforts
- Current MTS Challenges
- Implementation and Financing Issues

Understanding Waterway Capacity

- Waterway Capacity vs. Port Capacity
- Defining the Waterway – Part of a System
 - Linking Points of Production and Consumption
 - Different levels and users (primary, secondary)
- Current Approaches to Waterway Capacity
 - Dimensional Analysis
 - Ships Domain Theory
 - Channel Throughput
- Need a definition that is: Flexible, Scaleable, Useful for Waterways Managers, Easy to Understand.
- Need to Benchmark Creatively

Marine Transportation System

- What? MTS includes waterways, ports and their intermodal connections (plus vessels and vehicles, and MTS users) -- a sub-system of the nation's overall transportation system
- Why? The MTS initiative is to ensure the United States MTS can support the level of traffic expected in the 21st century in a safe, secure, environmentally responsible, and efficient manner for the full range of users.

MTS -- Critical for National Economy and Security

- 95% of all overseas trade ... moved by vessels
- 25% of domestic trade
- 95% of all Desert Storm/Shield supplies moved by vessel
- 16 million jobs
- 78 million recreational boaters
- 29,000 Commercial Fishing Vessels

Annually

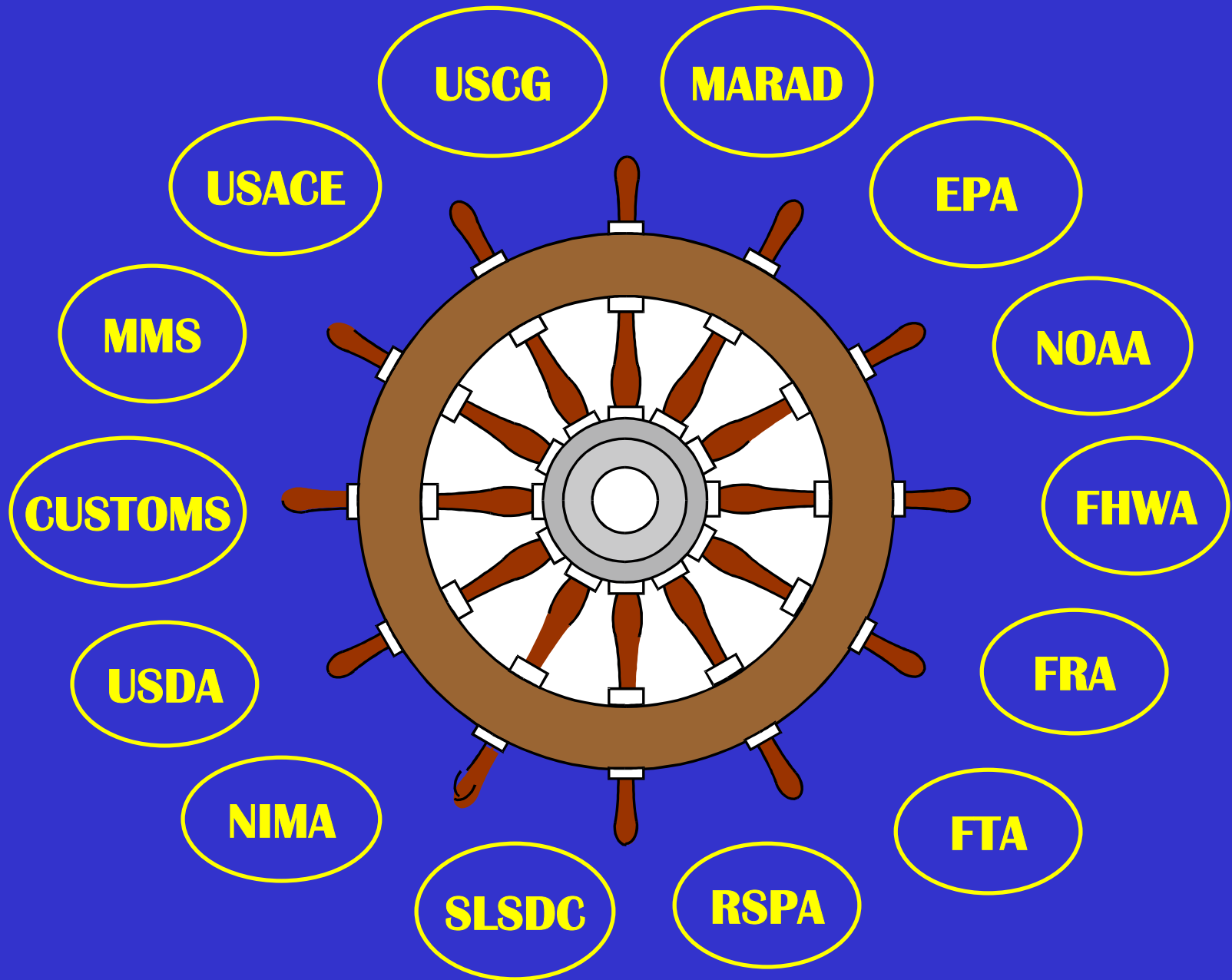
- 350 billion tons of cargo shipped
- 3.5 billion barrels of oil shipped
- 1 Trillion dollars of cargo ... over 25% of GDP
- 90 million passengers transported on vessels

Challenges

- Population growth 50% ... trade double/triple
- Increasing size and speed of ships
- Increasing public concern for environment
- Fewer overseas bases ... rely on deployment
- Growth of terrorism and other security threats
- Infrastructure ... capacity and condition ... undersized and aging
- Fragmented/overlapping jurisdictions

MTS Initiative History

- 7 Regional Listening Sessions -- Spring 98
- MTS National Conference -- November 98
- National Task Force on MTS -- Mar-Sept 99
- MTS Report to Congress -- September 99
- 7 Regional Dialog Sessions -- Summer 00
- 4 Harbor Safety Committee Conf – 98-02



MTS Report -- Desired State

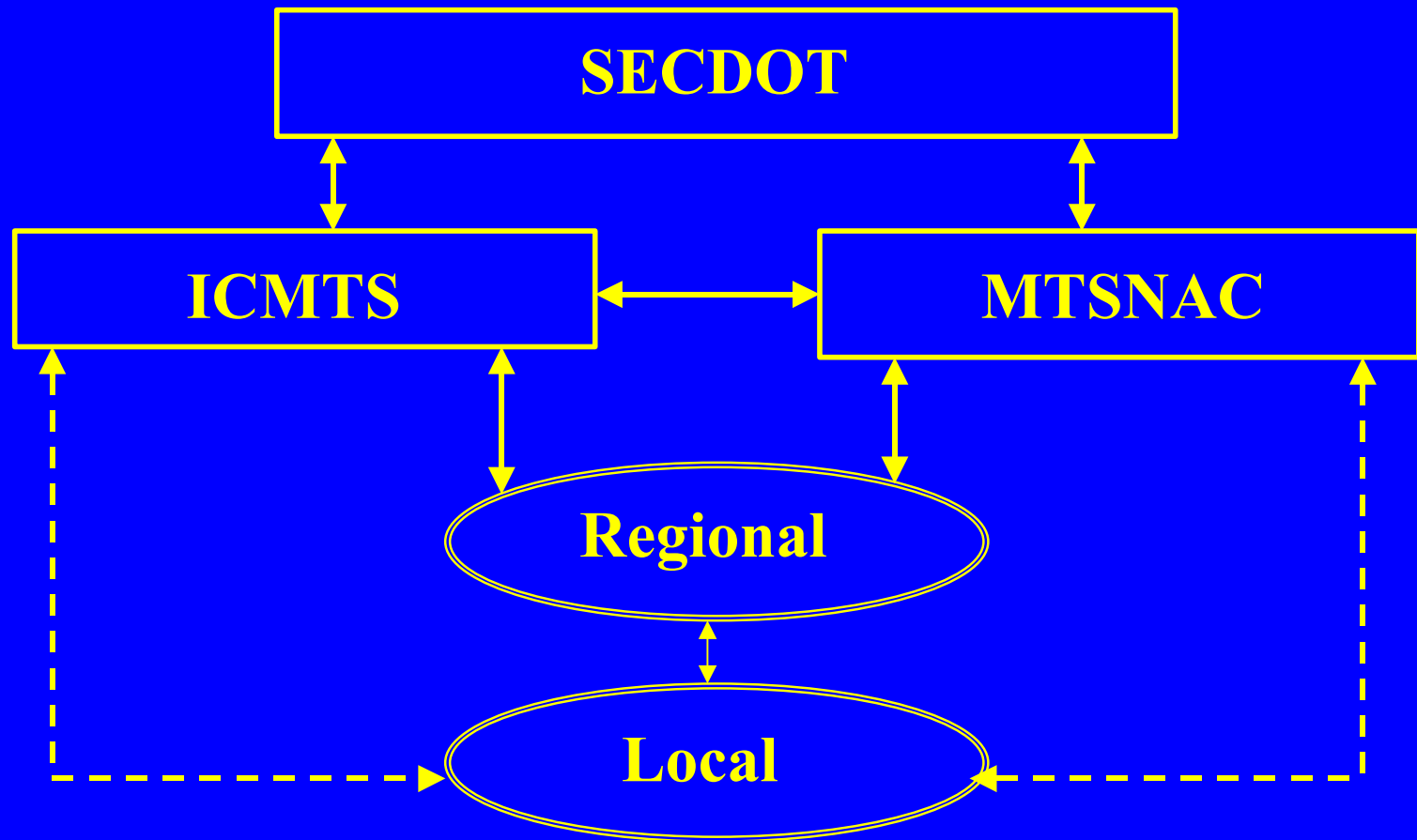
Vision Statement

The U.S. Marine Transportation System will be the world's most technologically advanced, safe, secure, efficient, effective, accessible, globally competitive, dynamic and environmentally responsible system for moving goods and people.

MTS Report -- Action Areas

- Seven Strategic Areas for Action:
 - ✓ Coordination
 - Funding the Marine Transportation System
 - MTS Competitiveness and Mobility
 - ✓ Improving Awareness of the MTS
 - Information Management and Infrastructure
 - ✓ Security
 - Safety and Environmental Protection

Marine Transportation System Coordinating Structure



Interagency Committee on MTS

- Standing Subcommittees:
 - Research & Technology (Chair: Navy/Vice: USACE)
 - Safety & Environmental Protection (NOAA/USCG)
 - Ferry Boat Systems (MARAD/FHWA)
 - Security (Customs/USCG)
 - Resources (NOAA/Customs)
 - Infrastructure and Competitiveness (USACE/MARAD)
- Steering Committee (USCG) ... established to coordinate activities of standing committees ... to address awareness issues ... and do strategic planning

Steering Committee -- *Awareness Working Group*

- ✓ Multi-agency MTS exhibit at DOT, May 2001
- ✓ Water Tour of Port of Baltimore for Congressional Staffers, May 2001
- ✓ Develop an MTS Logo
- Coordinate MTS message
 - ✓ Tie to Quality of Life ... posters/brochure
 - Press kit ... one page summary/agency POCs
 - Communications kit ... sound bites, talking points, video

Steering Committee -- *Congressional Affairs Working Group*

- ✓ General meetings with Congressional Staffers
- ✓ Witness in support of other's hearings
- ✓ Advocate for a hearing on MTS ... Senator Breaux is interested
- ✓ MTS "Industry Fair" on Capitol Hill
 - ✓ First Try ... on the Mall ... June 2001
 - Maritime Day ... at the Capitol ... May 2002

Other Activities

- ✓ Sponsored Marine Board Waterways Capacity Workshop ... 23 April 2001
- ✓ Outreach to the Governors ... about 35 State MTS Points of Contact ...identifying needs
- ✓ Assessment and Risk Management Tools
- ✓ DOT working groups on TEA 21 and SEA 21
- ✓ International efforts ... Jamaican MTS MOC
- ✓ Recreational Boating Workshop ... Feb 2002
- ✓ Model Port Workshop ... February 2002
- ✓ 4th Annual HSC Conference – March 2002

Other Activities

- Maritime Information Needs Study ...and potential MOU with MISNA
- “Crossing the Bow” study ... to identify jurisdictional overlap
- Chamber of Commerce study of ports
- MTS Implementation Plan
- Better links between MTS committees
- SEA 21 policy papers and recommendations

Possible SEA21 Policy Issues

- Security -- Cargo Security, MDA, International Coop, Assessments and Exercises, Maritime Workforce
- Safety – Navigation Safety (AIS/GPS/PORTS), Risk Assessments, Recreational Boater Education
- Mobility – Multi-modal Planning, Infrastructure
- Economic Growth – ACE/ITDS, Intermodal Connections, Freight Transportation Focus
- Environment -- Streamline Regulations, Invasive Species, Protect Marine Species, Water/Air Quality
- Organizational Excellence – National Coop Research Program, Demos/Benchmarks, Awareness

Specific MTS Capacity Efforts

- Marine Board Waterway Capacity Workshop
...April 2001
 - Modal Presentations ... lessons learned
 - Breakout Groups on Uses
 - Breakout Groups on Definitions
- MTS Needs Assessments
 - Corps of Engineers existing Analyses
 - Chamber of Commerce Study ... Blue Ribbon Panel
 - Transportation of Energy ... Proposed TRB Study
 - MTS Steering Committee Draft SOW

Current MTS Challenges

- Public Awareness
- Congressional Awareness and Attention
- Specifics
 - Coordination – Local and Regional
 - Analysis of the MTS Infrastructure Needs
 - Research and Technology
 - Safety and Environment
 - Security
- Tie to the TEA 21 Planning Process
- Funding Processes – SEA 21

Implementation and Financing

- Senator Breaux's Interest
 - Phase I – the numbers (\$ generated vs used)
 - Phase II – How to Maximize the System
- GAO Study ... discuss draft 24 April
- Mechanisms to Evaluate Needs
 - Current and Proposed Studies and Assessments
 - Possible Legislation/Funding
- Proposed Hearing ... National Maritime Day
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